

The Bitcoin Pioneer Book

Unpublished secret book,
only for Bitcoin Robot
member eyes



www.btcrobot.com

**Created just 3 years ago, the new fully independent currency
BITCOIN is about to take over the world!**

And if you jump in fast, you can be one of those who'll rip all the benefits. Remember, the early bird catches the worm

Today you are among the first Pioneers, the guys who will be on the edge of the new technology and rip all the benefits! Take advantage of this opportunity before it's too late!

This book was created first only for our inhouse use with the most important links about Bitcoin to help you get started fast with Bitcoin before the rest of the world!

Enjoy!

P. S. Remember if you plan to profit, you need to use the best automated tools possible. This is where Bitcoin robot, the first fully automated trading robot comes to your help! You can download it at www.BtcRobot.com

Yours,
BtcRobot.com team

What are cryptocurrencies?

A cryptocurrency is a type of digital currency that is based on cryptography, you know: public, private keys, signing, SSL, DES, etc. Why? Well, for the usual reasons that you choose to encrypt your own data. Confidentiality mixed with the security to making money **difficult to counterfeit**. Since cryptocurrencies often exhibit a distributed nature, **asymmetric cryptography** (i.e. public and private keys) is often preferred over single key schemes.

Leaving the technical view aside cryptocurrencies also have political meaning. They are considered to be a **"counter-culture"** movement similar to cypherpunks (tech and cryptography enthusiasts) and the traditional hacker spirit (e.g. Richard Stallman: "free software, free society"), to change the political society.

Gavin Andresen, lead developer of "The Bitcoin Project" told forbes that cryptocurrencies are an attempt to have a decentralized **"currency of the people"** with no interfering of a central bank.

One of the perks of distributed, global cryptocurrencies are that they're basically fiat currencies, meaning that the value is dependent on the people's estimate of it's worth, i.e. its value is basically determined by supply and demand. Also they are not subject to central regulation, thus a central bank such as the **Fed (Federal Reserve System)** cannot lower or increase their value.

A side-effect of decentralization is that it is hard to impossible for law enforcement to freeze, or wipe, user transactions and accounts. Law jurisdiction also has a hard time to track payments committed by users, this makes it hard to block what would otherwise be illegal niche markets (such as illegal drug acquisitions).

The most famous representative for a cryptocurrency is, you probably guessed it already, Bitcoin (฿).

What can I do with Bitcoins?

Well, for one thing you can do what you do with traditional currencies, such as Dollars (\$), Yen (¥), or Thai Baath (฿, yes the Bitcoin symbol is the same as Baath). You can **buy products** from various stores, you can **trade them**, obtain them by trading services, but also give Bitcoins as a gift. Although Bitcoins are usually an online currency, i.e. with no physical manifestation such as coins or paper, minting services have evolved¹, that provide means to mint your digital Bitcoins in physical form (see Illustration 1). What we will discuss below are **Bitcoin wallets** (which are similar to regular wallets), **Bitcoin trading markets** (i.e. MT-Gox), and **Bitcoin shops** where you can get products for Bitcoins.



Illustration 1: Casascius (Real) Bitcoin, taken from www.casascius.com

¹ <https://www.casascius.com/>

Security (for non techies)!

Security for Bitcoin users comes in various flavors, the most important ones:

(1) **Are Bitcoins fraud-resistant?** Yes, Bitcoins are based on complex mathematical theorems that prohibit manipulation of coins in any way (i.e. change the value of a coin to an arbitrary amount).

(2) **Are transactions save?** Bitcoin transactions don't happen instantaneously. **The transaction is verified by the peer-to-peer network of Bitcoin users**, in a best-effort analysis. If there are multiple positive confirmations (many more than negative ones) from the network, the likelihood of a valid transaction is very high. The downside is that therefore the transaction can take a few minutes.

(3) **Erroneous transaction?** If you send Bitcoins to someone and want them back, they're gone. So, Bitcoin transactions are not reversible (obviously if the receiver sends the money back you're ok). But keep in mind: **If you send money you better make sure that the address is correct.**

(4) **Is my wallet save?** Ah yes, just as in real live you absolutely have to take care of your wallet. What a wallet is and various implementations (yes, a wallet is a piece of software) is covered below.

(5) **Do shops scam?** There are many trusted shops, some of them will be discussed below. Again as in real life, there are evildoers out there to get your money! **Select carefully, check their ratings and you will do just fine.**

(6) **Last but not least, are transactions anonymous?** Bitcoin increases the anonymity of traditional payment systems manifold. Whereas traditional payments over

wire, credit card, etc. can be tracked easily, since sender, recipient, and transfer institute (i.e., the bank) are always known, with Bitcoin usually only a recipient id and sender id (both being public keys that can be changed arbitrarily often), and an IP address are known. **If none of these items can be mapped to a user the identity of the participants in the transaction is undisclosed.**

Mining? Is it reasonable?

Bitcoins are based on blocks. Blocks are data containing information about past transactions and contain a hard to solve mathematical problem. To add a block to the block-chain demands some serious processing power. As an incentive whoever solves this problem and sends the solution to the network (i.e. is able to produce a block) receives (at the time of writing) 25 Bitcoin as reward.

If somebody solves the operation before you do it, your work is lost and you receive no reward. Furthermore the difficulty of the problem is increased or decreased every 2016 correct solved blocks, depending on the total amount of calculation power available in the mining network. In addition, the reward per block is halved every 210.000 solved blocks. For that reason, also the number of existing coins is limited to 21 millions. Given the current progression in mining capability the last coin is conjectured to be mined between 2033 and 2140.

Summarizing: **Who offers calculation power to the Bitcoin network is rewarded with coins.** Hence, every day new Bitcoins are created from miners and new miners join the network every day. In order to keep the complexity of mining steep self-regulating algorithms have been included to Bitcoin to adjust to new processing power.

Therefore the work or mining becomes harder for each block.

Assuming you had decided decided to start mining in 2009 and never sold a mined coin prior to 2013, you should be rich by now.

If you want to you can start today, you can still make some money, but keep in mind: the golden mining era is past.

Let us give you more details about why that is: The amount of total existing Bitcoins is limited and the amount of Bitcoins that can be mined per successful solved block is also fixed. The performance when you are mining Bitcoin is measured in MH/s, meaning millions of hash operations executed per second by your PC. In 2009, a normal PC with a common CPU was able to produce hundreds of Bitcoins per day, basically because the network had low computing power and there were almost no transactions (A geek hobby). But with the success of Bitcoins, the rising of brokers and the increasing value in dollars per coin, more and more users discovered this fascinating world. Hence, mining became ever more unyielding. To counteract this trend **CPUs** were replaced by **GPUs**, which were replaced by **Multi-GPU** rigs and now **ASICs** (Application Specific Integrated Circuit), hardware specifically designed with only one purpose: mining Bitcoin.

For this reason, mining Bitcoins with a common CPU is useless today. Mining with a good AMD distinct GPU (AMD 78xx, AMD 79xx) is ok, but will not make you rich. Making money heavily depends on your local energy price, hardware costs, and (obviously) the exchange value of Bitcoin.

Using an NVIDIA card at the time of writing also seems to be useless, since there are no good GPGPU implementations

for mining for this manufacturer. To give you an impression about the current situation, at time of writing, an AMD 6970 is able to produce 0.0077 BTC per day, this is less than 0.8\$ at an actual Bitcoin price of 100\$.

We recommend to do the math before you start mining.

A Tip: Use a mining pool where you can share the work (and also the reward) based on the provided calculation power with other miners.

The links at the end of this chapter give you information for mining pool pages and Bitcoin itself. We suggest you make use of **BTC Guild** or **Slush's pool**. They provide as a good starting point.

Links:

Here some comparisons and calculation links to give you an idea and help you to make your math.

[1] <http://bitcoin.org/bitcoin.pdf>

[2] Hardware comparison for GPGPU mining
<http://mrlithium.blogspot.co.at/2013/02/bitcoin-mining-hardware-comparison-7850.html>

[3] To give you an example of the power of special mining hardware in comparison to GPGPU
<http://bitcoinexaminer.org/7-awesome-asic-bitcoin-miners/>

[4] Calculation sheet to determine how much money your mining rig brings you
<http://www.bitcoinx.com/profit/>

[5] Bitcoin Mining pools
https://en.bitcoin.it/wiki/Comparison_of_mining_pools

Conclusion

If you want to start with Bitcoins and you don't want to spend money on brokers, you can still mine coins. But this is pretty much to search for gold nuggets in a river or trying to find the needle in a haystack. Maybe you find something, maybe you waste your time. **Our suggestion: if you want to make money with Bitcoins, don't mine them, trade them!**

What do I need to start?

The first thing that you should install is a so called Bitcoin wallet. Bitcoins are a decentralized currency. No bank account is needed. **For that reason, a Bitcoin wallet is the counterpart to your real money wallet.** You can store your Bitcoins in it, use it to send Bitcoins to other persons, and of course receive Bitcoins even if you are offline. If you lose your wallet, forget your password, or (heavens forbid) somebody steals it, then your contained Bitcoins are lost. Bitcoins are like real banknotes, they belong to the person that owns them. **So keep your wallet secure, make regular backups and choose a secure password!**

A wallet in itself is a very small piece of software for windows, linux, or your smart-phone. You can see the transactions in it, you can receive Bitcoins and send Bitcoins using it. There is nothing more, small, simple, easy to use.

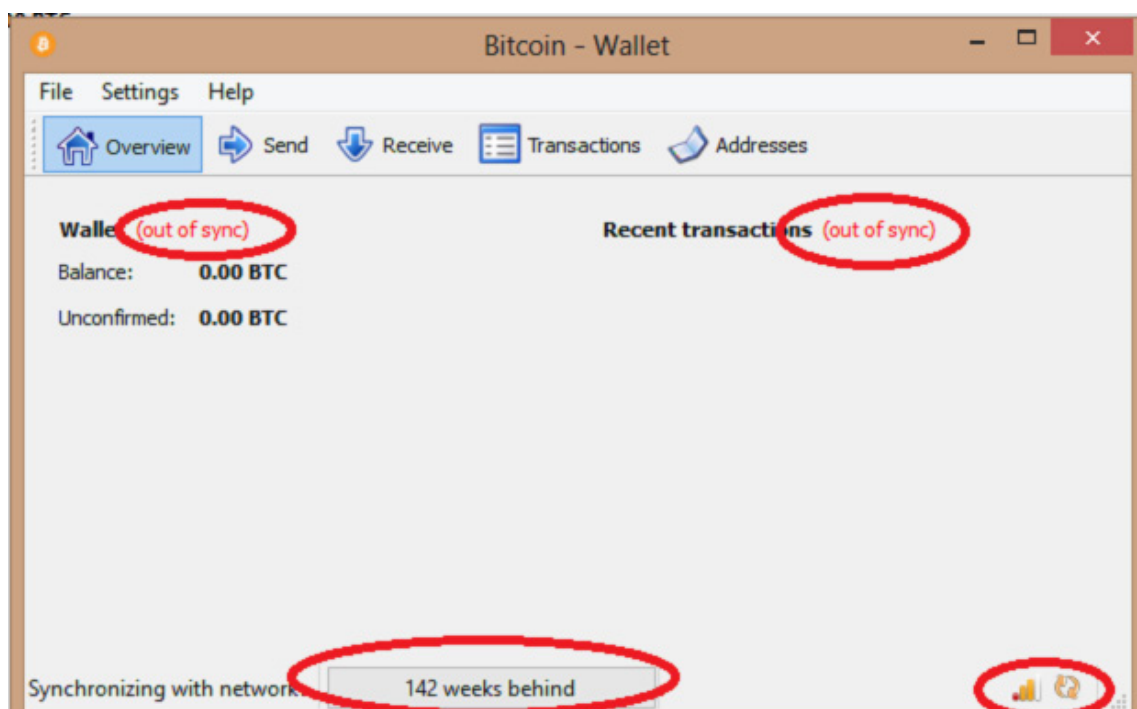
Bitcoin.org is a good starting point if you need a wallet. You can find several different wallets there. We recommend the use of an open source version of a wallet, don't use web-based wallets or versions where the source is not available. **Remember: the web is dark and full of terrors** (Yes, nerdling, this is a direct quote from GoT).

We suggest the original version of the wallet called bitcoin-qt. But also the mobile version works very well and you can have your coins always with you.

Bitcoin-qt (windows version)

Download the wallet from bitcoin.org first. After the installation, you will see the main page of the wallet. Now you have to wait. As explained, there is no central authority in the Bitcoin network. **Check the validity of the transactions: No Bitcoin can be spent twice from a user.** You cannot send or receive Bitcoins until this synchronization is done. Unfortunately this needs time. Actually you have to download around 8 GB of data containing the block-chains. If you have a limited available data rate, you can also order the block-chains via DVD.

After you start your wallet, you will see the following screen. As you can see, also my new installed wallet was out of sync and I had to wait several hours till the system was synchronized.



After that initial step is done, it is highly recommended to encrypt your wallet. Over "Settings-> Encrypt your wallet", you are able to protect your wallet. For every transaction you will need to enter your secret password from now on. So please use a secure password and store it in a secure place. If you lose your password, also your Bitcoins are lost. There is no central authority that can reset your password, so be careful!

Bitcoins are sent and received using addresses.

Addresses are unique, long, alphanumerical strings that represent the id of the person you want to send Bitcoins. If you're not careful it is entirely possible that you send Bitcoins to the wrong person! Sending Bitcoins to non-existent addresses does not work. To protect your anonymity, a good wallet usually creates a new address for each transaction. If you're not interested in that feature you can also opt to always use the same address. For example if you send Bitcoins to some broker.

We strongly advise you to change the address for every single transaction, since transactions are (as opposed to urban legend) not anonymous! In order to secure transactions, every single step in the transaction history is recorded. But since you can change your address for every transaction, you improve the protection of your anonymity even if all steps are logged.

Synchronization of your wallet allows you to send and receive Bitcoins. The fancy part of synchronization is that you don't have to be online to receive Bitcoins. In fact, if you are offline and receive some coins, the transaction(s) corresponding to the coins is stored in the global block-chain. Hence, when you finally come online and synchronize your wallet Bitcoins come trickling in.

Important to remember here is, Bitcoin transactions not instant are (Yoda-speak!). You can send Bitcoins to a friend, but in order to avoid fraud, the nodes in the network have to confirm your transaction. You need to have 6 confirmations in order to have a 100% confirmed transaction. Usually this needs around 10 minutes, but since this is a dynamic network, sometimes some more time is needed. From the first confirmation on, you are able to re-transfer received coins to another wallet.

So, now lets start. As a little welcome gift, go to freebitcoins [1] and get your first 0.02 BT for free!

Links:

[1] <https://freebitcoins.appspot.com/>

[2] If you need a more detailed description about the installation of bitcoin-qt, please have a look at https://en.bitcoin.it/wiki/Getting_started_installing_bitcoin-qt

[3] Also an important further reading is <http://bitcoinplaza.blogspot.co.at/2013/02/how-to-backup-bitcoin-wallet-walletdat.html> where you can find information about how to backup your wallet. Remember, if your wallet is lost, your Bitcoins are also lost and nobody can give it back to you.

Mobile Apps

You may want to carry your Bitcoins with you, to pay at a local restaurant for example. Or maybe you want to trade them with local friends or resellers. Then a mobile application (or App, as Hippsters call them) may be the right tool for you. You can send and receive coins via QR-code or use NFC. For more information about mobile apps, visit the following sites

Links:

[1] <http://bitcoin.org/en/choose-your-wallet>

[2] <https://blockchain.info/wallet/android-app>

[3] <https://blockchain.info/wallet/iphone-app>

Where to buy Bitcoins

There are several possibilities to get Bitcoins. You can mine them as explained in a previous chapter. But nowadays this method is not a top choice anymore. If you want to make money with Bitcoins, becoming a Bitcoin trader is the best choice.

There are different brokers out there. A Bitcoin broker is like a regular stock exchange where you can buy or sell coins.

The first place that you should visit is bitcoincharts [1]. This is a site, where you can see the actual exchange values for different brokers and currencies, but also statistic values that should allow you to plan your purchases.

As you can see, there are several brokers out there. We will discuss the biggest two in the next pages, Mt.Gox and BTC-E.

[1] <http://bitcoincharts.com/markets/>

Mt.Gox

Mt.Gox [1] (pronounced "Mount Gox"), a Japanese company founded in 2009, is by far the biggest Bitcoin exchange on the web. In July 2013, around 54% of all exchanges of Bitcoins were made using Mt.Gox. If you want to trade Bitcoins, Mt.Gox should be your starting point.

You can trade Bitcoins for US Dollar, Euro, Japanese Yen and many other currencies on Mt.Gox. It is also a very mature and nowadays very secure platform to trade.

[1] <http://www.Mtgox.com>

Registration

Mt. Gox has a long history of hacks, attacks and problems in its past. For this reason, the company spends a lot of time and money to create a secure platform, avoid fraud and become a more serious player (for example it implemented measures against money laundering). Unfortunately this also means that the registration is a little bit more complex than expected.

First of all you need to register on the site. Because the high amount of new accounts per day it can take a little while till you receive the confirmation mail, so be patient.

Once you received a confirmation mail, you have to provide your credentials like name, address, city etc. Mt.Gox is not the right place for persons with a strong sense for privacy anymore. If you want to trade, to deposit or withdraw money in your currency, you have also to confirm your credentials sending copies of an identity document and a bill (gas, TV, etc) via fax or email. The confirmation of this documents takes 5 to 10 days. Doing so, Mt.Gox wants to prevent any sort of criminal or illegal transactions.

During the last 12 months Mt.Gox became a very serious bitcoin exchange that wants to have nothing to do with some of the more semi-legal services on the web.

But there is no immediate need to provide your credentials if you buy bitcoins somewhere else and want only to trade with your bitcoins. Only if you want to remove bitcoins

from your Mt.Gox account or if you want to send the earned money, you have some limits till you confirmed your identity. As mentioned, Mt.Gox tries to avoid money laundry and bring Bitcoin to a serious level.

Furthermore you should secure your account with a Google Authenticator key. You can download Google authenticator via Apple Appstore or Google Play for free. The provides key changes every couple of minutes and protects your Mt.Gox account from password stealing. You can add your Authenticator key in the Security center of Mt.Gox.

BTC-E

BTC-E is the second most largest broker for Bitcoins. Since it is by far smaller than Mt.Gox, BTC-E tried another strategy to be successful: the security is lower and the anonymity higher on BTC-E. There is no need to provide any kind of further credentials to trade on BTC-E. Username, password and email, that's all needed to start making money on BTC-E. Furthermore BTC-E has another special feature: alternative cryptocurrencies!

Excursion: alternative "cryptocoins"

What we didn't wrote till now is, that Bitcoin is not the sole crypto-currency on the web. With the success of Bitcoin, and based on its open-source principles, other, most smaller alternative coin-types came up. Usually the trading amount is smaller, the price lower and they are somehow related to Bitcoin, meaning that if the Bitcoin market value goes up, also the value of this alternative coins rises and reversal.

So, whats the difference between Bitcoin and lets say Litecoin or Featercoin you may ask. To be honest, not much. One of this alternative cointypes changes the mechanism

behind the mining, so that ASICs and GPUs have not such a big advantage against CPUs, other decreases the time till a transaction is validated in order to speed up the transfer of money. Probably none of this newer cryptocurrencies will become as famous and high valuable as Bitcoin, but that didn't mean that you cannot make money with them. Check the links below, read about their features and trade with them if you want!

Links:

Some of these alternative coins are

[1] litecoins: <https://litecoin.org/>

[2] feathercoins: <http://feathercoin.com/>

[3] ripplecoins: <https://ripple.com/>

[4] min-coins: <http://www.min-coin.org/>

Alternative exchange methods

But there are also alternatives to web-brokers! For example if you want to be totally anonymous, you can look for local reseller in your town or city. Localbitcoins [1] offers such a service. And here is how it works: On Localbitcoins you can create an advertising if you want to sell Bitcoin to people in your own city. Or you can look for persons that sell Bitcoin near to you. Usually the price for coins is higher then, usually 5-10% over the actual market price in Mt.Gox. If you want to sell coins, wait till somebody answers to your advertising via mail. Then decide on a location, meet the person, let you show the money and then transfer the coins preferentially using your smart phone. When the transaction is confirmed, take the money and the deal is complete. Simple, secure, and totally anonymous!

Links:

[1] <https://localbitcoins.com/>

Top 5 Bitcoin exchanges by trading amount

As we have seen above there are multiple ways to attain Bitcoins, ask a friend to exchange some of his Bitcoins with some other currency (Dollars, ..), use LocalBitcoins, trade wares (i.e. become a shop owner), visit a website such as BTCQUICK [1] and fund your wallet with your own money. From their website:

„Purchasing bitcoins through btcQuick is the fastest way to buy Bitcoins with a credit card or debit card. The entire process can take as little as 10minutes of your time.“

Links

[1] <https://btcquick.com/beta/>

When you have a wallet full of Bitcoins you are able to buy products, but there are ways to increase their numbers: The Bitcoin Exchange Market (or markets).

There are many different market places, but we restricted ourselves to 5 of them since they, by far, outperform their competition in terms of market volume, Mt.Gox [2], Bitstamp [3], BTCChina [4], BTC-e [5], Bitcoin [6]. For a sample view of Mt.Gox consider (Illustrations 2 and 3).¹

¹ We only show a screenshot for Mt.Gox since it is the largest exchange market out there (it's volume is larger than the next 5 markets combined).



Illustration 2: Mt.Gox, the largest market exchange

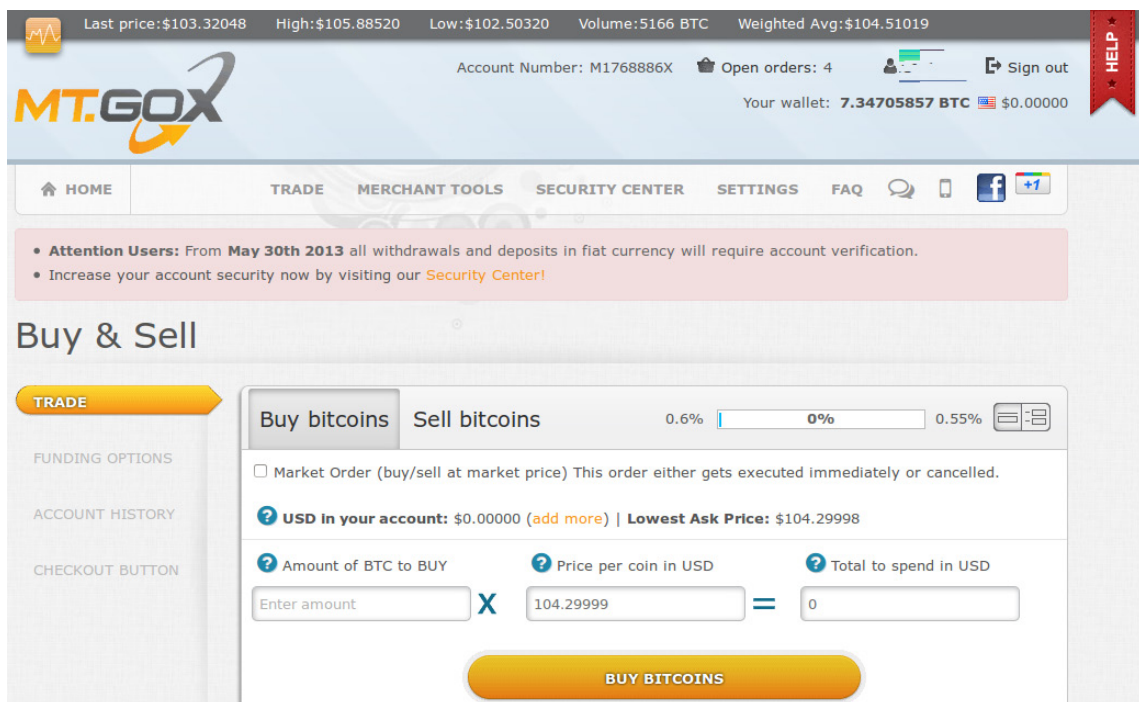


Illustration 3: User Console for Mt.Gox

The Bitcoin values tend to fluctuate from market to market. This is a wonderful way to use arbitraging strategies to attain trading profits. To have an overview on all the Bitcoin values per market-place have a look at Bitcoin-Charts [7].

Links

- [1] <https://btcquick.com/beta/>
- [2] <https://www.mtgox.com/>
- [3] <https://www.bitstamp.net/>
- [4] <https://btcchina.com/>
- [5] <https://btc-e.com/>
- [6] <https://www.bitcoin.de/>
- [7] <http://bitcoincharts.com/markets/>

Top Bitcoin debit cards

Assuming you made some „serious dough“ by leveraging stock market techniques (or the Bitcoin robot) you may want to exchange it to some other currency, or to cash it out via debit card on-the-fly.

At the moment of writing there are not too many possibilities for debit cards around. The first one we found, BitcoinCard [1] is actually a debit card based on normal currencies, such as Euro (€). The benefit this card has though is that it can be funded via Bitcoins. Which turns it to a Bitcoin card! Hence quoth the internet:

„Prepaid credit cards are not new. However, a prepaid credit card that can be funded with bitcoins is. The BitcoinCard is a credit card that can be funded via BTC.“

What say the people behind BitcoinCard?

“The card works as a normal prepaid credit card. The difference is users can buy it with bitcoins, and fund it with bitcoins.”

The second card is a true Bitcoin debit card, according to the guys from Coindesk [2]:

„A new way to pay by bitcoin is on the horizon, a bitcoin debit card called iBTCard. That name stands for International Bitcoin Transfer Card. The company behind the project, Tradecoinz LLC, is hoping to provide an alternative payment method to VISA and MasterCard, but in a way that most people can recognise and understand.“

This sounds very promising indeed.

Links:

[1] <http://thebitcoincard.co.uk/>

[2] <http://www.coindesk.com/>

[3] <https://ibtcards.com/>

Top 10 e-shops accepting bitcoin

So you made some money with trading, how best to spend it than to buy your girlfriend, wife (mistress maybe?) a nice present. Where you ask? Right here, we have the top 10 companies that accept Bitcoins for their products.

(The Notorious) Silk Road

Unsurprisingly the biggest shop for Bitcoins is Silk Road [1] with a rather interesting but **in most countries illegal** selection of fine wares.² As you can see in Illustration 4 Silk Road literally deals in drugs. Silk Road can't be visited like a regular website, it is based on Tor Hidden Services [2]. For a guide on how to use Tor Hidden Services and access Silk Road check out [3]

² Disclaimer: If you buy something from Silk Road make sure it is legal in your country. We don't advertise and/or suggest you do any such thing. Do this at your own risk.

Silk Road
anonymous market

messages 0 | orders 0 | account \$0.00

Search Go

Shop by Category

- Drugs 8,104
 - Cannabis 2,063
 - Dissociatives 193
 - Ecstasy 681
 - Opioids 594
 - Other 435
 - Precursors 39
 - Prescription 1,666
 - Psychedelics 974
 - Stimulants 1,039
- Apparel 265
- Art 118
- Books 869
- Collectibles 2
- Computer equipment 40
- Custom Orders 85
- Digital goods 548
- Drug paraphernalia 291
- Electronics 79
- Erotica 515
- Fireworks 2
- Food 8
- Forgeries 75
- Hardware 24
- Herbs & Supplements 6
- Home & Garden 11
- Jewelry 96
- Lab Supplies 73
- Lotteries & games 77
- Medical 54
- Money 112
- Musical instruments 3
- Packaging 68
- Services 69
- Sporting goods 1

Item	Price
1,000 x 25c-NBOMe HCL blotters (800ug)	\$9.73
5g white russian	\$1.69
Cocaine Kokain Koks FLEX -- HIGH GRADE - 0.5	\$2.04
5g Good quality "Hash" from Chaouen	\$1.28
5g Good quality "Ali baba's Hash" from Chaouen	\$6.09
emerald 200mg	\$1.71
30 Xanax 1 mg (Alprazolam) tabs	\$2.53
100 x 1mg-25I-NBOMe complexed blotters	\$1.27
12ct Half Baked Brownzzz Relaxation Brownie	\$2.24

Illustration 4: Silkroad screenshot taken from [8]

(Global Payments) BitPay

BitPay [4] provides means for your web shop (website) to accept payments with Bitcoins without the hassle of market value fluctuations. Through BitPay new Bitcoin accepting shops are created every day! Directly from their FAQ:

„BitPay is an electronic payment processing system for the bitcoin currency. We enable online merchants to accept bitcoins, as a form of payment, just as they accept payments from Visa, Mastercard, or Paypal.“



The banner features the Bitpay logo in the top left, a phone number '1-855-4BITPAY' in the top center, and a 'Merchant Login' button in the top right. The main text reads 'Your website reaches 200 countries. Can your payment network?' followed by 'Accept Bitcoin.' and a subtext: 'Every country, no chargebacks. So you can focus on business. Payouts in local currencies.' The background shows a woman holding a cardboard box next to a globe, with several other boxes scattered around. Navigation arrows are on the left and right sides. At the bottom, it says 'Credit Cards weren't designed for the Internet.' and a green button 'Start Accepting Bitcoin Now'.

bitpay

1-855-4BITPAY

Merchant Login

Your website reaches 200 countries.
Can your payment network?

Accept  Bitcoin.
Every country, no chargebacks. So you can focus on business.
Payouts in local currencies.

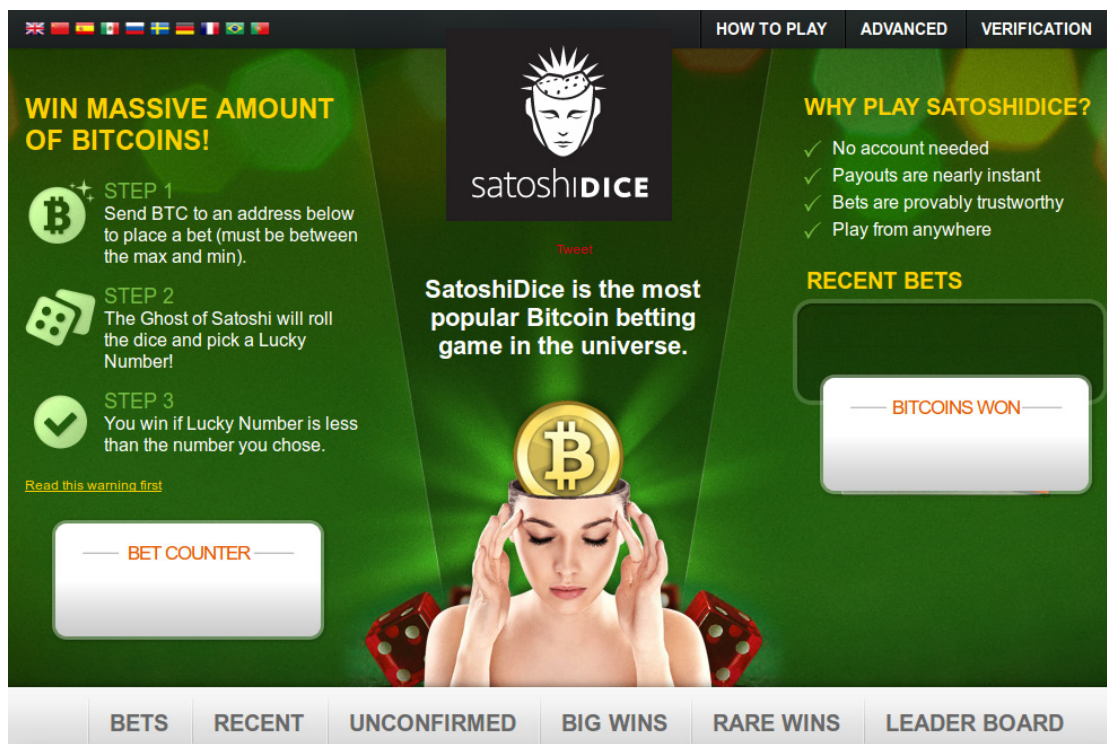
Credit Cards weren't designed for the Internet.

Start Accepting Bitcoin Now

Illustration 5: Use bitpay to reach the whole world in terms of acceptable payments

(Let's play dice) Satoshi Dice

For Satoshi Dice [5] you don't need to run any client application or even have an account on their site. To play, place a Bitcoin transaction to one of Satoshi's addresses (each address having a different probability of winning). That's it, simple really!



The interface has a dark green background. At the top, there are flags for various countries and navigation tabs: 'HOW TO PLAY', 'ADVANCED', and 'VERIFICATION'. The main content area is divided into three columns. The left column is titled 'WIN MASSIVE AMOUNT OF BITCOINS!' and lists three steps: 'STEP 1: Send BTC to an address below to place a bet (must be between the max and min).', 'STEP 2: The Ghost of Satoshi will roll the dice and pick a Lucky Number!', and 'STEP 3: You win if Lucky Number is less than the number you chose.' Below this is a 'BET COUNTER' input field. The middle column features the 'satoshiDICE' logo, a 'Tweet' button, and the text 'SatoshiDice is the most popular Bitcoin betting game in the universe.' Below this is an image of a woman holding a large Bitcoin coin. The right column is titled 'WHY PLAY SATOSHIDICE?' and lists four benefits: 'No account needed', 'Payouts are nearly instant', 'Bets are provably trustworthy', and 'Play from anywhere'. Below this is a 'RECENT BETS' section with a 'BITCOINS WON' display. At the bottom, there is a navigation bar with tabs: 'BETS', 'RECENT', 'UNCONFIRMED', 'BIG WINS', 'RARE WINS', and 'LEADER BOARD'.

WIN MASSIVE AMOUNT OF BITCOINS!

STEP 1
Send BTC to an address below to place a bet (must be between the max and min).

STEP 2
The Ghost of Satoshi will roll the dice and pick a Lucky Number!

STEP 3
You win if Lucky Number is less than the number you chose.

[Read this warning first](#)

BET COUNTER

satoshiDICE

Tweet

SatoshiDice is the most popular Bitcoin betting game in the universe.

WHY PLAY SATOSHIDICE?

- ✓ No account needed
- ✓ Payouts are nearly instant
- ✓ Bets are provably trustworthy
- ✓ Play from anywhere

RECENT BETS

BITCOINS WON

BETS RECENT UNCONFIRMED BIG WINS RARE WINS LEADER BOARD


Recently Satoshi Dice has been sold for \$11.5 million [6].

(Start digging) Butterfly Labs, Avalon

If, by any chance, you lost a lot of money while gambling (see above) make sure you have one of Butterfly Labs [7] or Avalon's [8] hardware miners working for you at home. With these rigs, such as the 50 GH/s Bitcoin Miner from Butterfly Labs or the 60 GH/s Monster from Avalon you might make up for your losses. As you have probably guessed, Butterfly Labs build specialized hardware for Bitcoin mining activity.

CALL US: 1-800-809-MINE (6463) | FOLLOW US: [f](#) [t](#) [v](#)

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NOW AVAILABLE FOR ORDER:

50 GH/s Bitcoin Miner -
\$2,499
BitForce 50 GH/s SC

[ORDER >>](#)



*Butterfly Labs manufactures a line of high speed encryption processors for use in **bitcoin mining**, research, telecommunication and security applications.*

Illustration 6: Butterfly mining page (if you want to mine)

Avalon ASIC

Welcome to innovation Features unlimited possibilities Pricing batch based Updates latest news

A World's First

Avalon is dedicated to its purpose, making it lightning fast; previous generation technologies pale in comparison. Without question, it is the very first of its kind.

Avalon is a quality designed product engraved with experience. The next generation of Bitcoin mining hardware has arrived!

[Check Out The Features](#)

Designed for Performance

> 60Gh/s Mining Monster

Dynamic Modular Design
Go ahead: [Let it Evolve](#)

Open Source Approach
Go ahead: [Get the Source](#)

Build to Order
Go ahead: [Make it Yours](#)

Batch Based Release

Batch #1	#2	#3
<ul style="list-style-type: none">Batch Status: ShippingUnit Price: \$1299Order Opened On: Sept 23th, 2012Payment Processor: Payscale		

Why Batch Orders?

Utilizing a short time frame, batch based, and built-to-order sales method allows to manage finances properly and reduce risk for all parties.

Illustration 7: An alternative, Avalons ASICs, with very fast miners

(We love Bitcoin) Bitcoinstore

If you want to buy some general ware, digital cameras, pcs, laptops, motherboards, hard drives, security devices pretty much anything a tech lover needs visit Bitcoinstore [9].

(Trade me) Coinabul

Everyone knows that in order to attain stable results with investments diversification is in order. Hence, spreading the risk among multiple investments. Coinabul [10] lets you buy gold and silver coins via Bitcoin (it has never been simpler to start trading the precious metal market).

Links:

[1] <http://silkroadvb5piz3r.onion/>

[2] <https://www.torproject.org/docs/hidden-services.html.en>

[3] <http://silkroadaddress.com/>

[4] <https://bitpay.com/>

[5] <http://www.satoshidice.com/>

[6] <http://thenextweb.com/insider/2013/07/19/first-major-bitcoin-acquisition-sees-gambling-site-satoshidice-sold-for-11-5-million/>

[7] <http://www.butterflylabs.com/de>

[8] <http://launch.avalon-asics.com/>

[9] <https://www.bitcoinstore.com/>

There are many, many more shops that allow you to use Bitcoin:

Providers/Hosters

TrilightZone Providing Privacy Services Since 2005 - Including Offshore Cloud Services - Choose from Multiple Offshore Jurisdictions!

Rocket Tech Storage Online storage for \$0.02/GB/month, SSH/SFTP access, Bitcoin always accepted.

Bit-Host exchange bitcoins for your favorite File-Hosting services premium like Rapidshare, Uploaded.net/ul.to or Netload Premium subscription and SAVE!

File sharing

MEGA File sharing and encrypted online storage

SmartFTP FTP/SFTP Client

BitcoinService.co.uk (info), filesharing site

Filenium.com - Premium accounts at file sharing and storage sites

Music

Digital-Tunes - Legal digital downloads of Drum & Bass, Dubstep, Bass Music & other electronic music, in WAV, FLAC and MP3 formats skin contact Accepts bitcoin payments for album download.

RPG Beats Accepts bitcoin payment for hip-hop beat leases.

To list all shops is infeasible. Many more online shops for consumer electronics, music, design, art, outdoor sports, exchange markets, etc. (with new ones added daily can be found here [1]).

Links:

[1] <https://en.bitcoin.it/wiki/Trade>

Automated Bitcoin trading?

How Can You Profit with Bitcoin?

Just a few years ago, the only way to profit was through so-called "Mining".

This is the "Hard Way", for which you receive coins by helping the system to verify secure transactions. This process requires a lot of computational power, typically multi-core CPU system or specialized Bitcoin miners. The algorithm is designed in such a way that mining becomes more and more complex and less and less profitable with time.

Mining days are over!

The time has changed and we are the **ONLY** solution available to increase your Bitcoins!

THE Inflation FREE currency!



Bitcoins are limited in amount... you can NOT produce them out of thin air nor reprint them, thereby making them safe from inflation!

100% Secure! NON-CLOSABLE!

Bitcoins are unhackable lines of code that you can even stash on your cellphone in an E-wallet or download to a USB stick and keep them SAFE! Pay using them, store them, collect 'em... the option is yours!

To make it even better, Bitcoin is decentralized. No one owns it... it's like the Internet... you can shut down a machine but you can't kill it. It's a living and expanding entity on its own.

So, no matter how hard a government might try to put it down... they cannot succeed!

The bottom line to EARN them, however, is that...



Forex is DEAD! Automated Bitcoin Trading is the ANSWER!

Imagine if you had a fully automated Bitcoin trading robot, working for you on autopilot around the clock?

Trading Around The Clock??? Even on weekends??

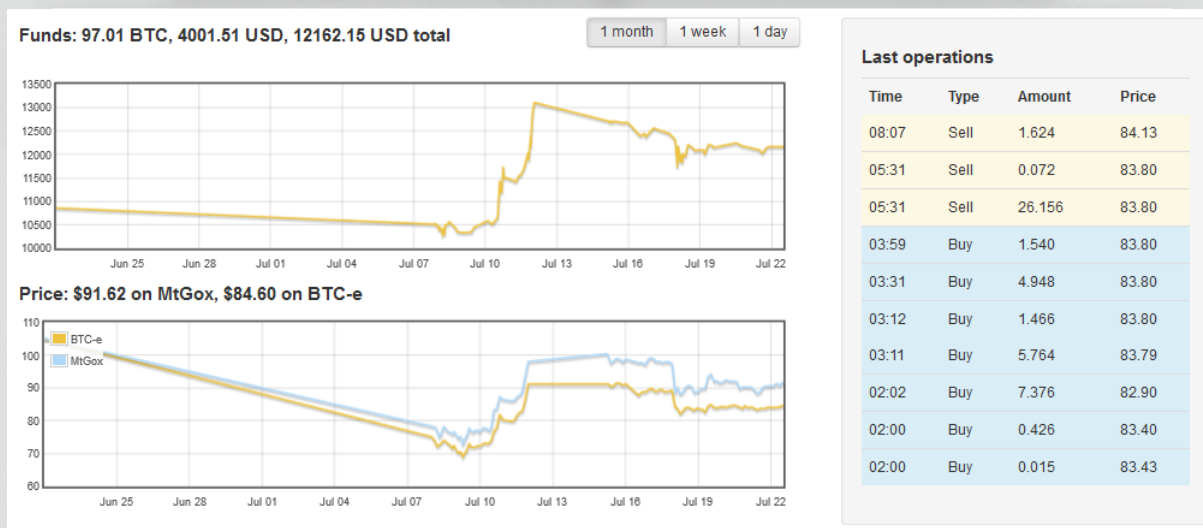
Forget Forex limitations such as not trading on weekends, Bank Holidays and other big bank B.S.

Bitcoin is traded around the clock, 24/7, 365 days a year.

There are no banks controlling it, meaning we don't have any bank limitations on the trading time, thereby giving you a unique opportunity to profit around the clock, two extra days a week!

The robot does not sleep, does not take holidays or stop on weekends. It is an everlasting profit machine at your fingertips!

TRADING ACCOUNT: \$2,714 and Counting!



It can be yours right now and it's a piece of cake to install!
SETUP YOUR ROBOT NOW!



Add To Cart

Why Does the BitCoin Robot Work?



Bitcoin is a young growing market. Relatively small amount of Bitcoin exchange marketplaces ensure huge price fluctuations during the trading day, which our robot takes advantage of.



The higher the market volatility, the higher the profit. During volatile months, the profit can reach up to 100% per month! During regular months, it gives a stable "conservative" growth of 10-20% per month.



No leverage trading: You are trading only on your own money without taking Huge leverage from the brokers like in Forex, meaning the risk to lose all your money is small to non-existent.



The robot is analyzing the prices in all Bitcoin exchange marketplaces in real time, exploiting the gaps and using hedging techniques to take advantage of almost bulletproof profit opportunities.

How Does It Work?



Download

Simply open an account with one of the trusted Bitcoin trading exchange marketplaces
Deposit an initial amount in Bitcoin or USD. You can start as low as \$100 !



Install

Activate our robot and let it trade for you!
Choose between a simple Windows version or a fully pre-installed VPS version: No installation, no hassles.
The robot comes fully pre-installed in your web browser-based members area! Nothing to setup or configure. Human error-free & 100% autopilot.



Profit

Withdraw profits.



No backtests, NO what ifs!

This is not a forex robot or MT4 based indicator B.S. It's a custom programmed bot that trades real money... no monopoly cash playtime but real results!

What's Behind the Bitcoin Robot Trading Engine?



russia
brains



over
2 years



127199
line of code



When it comes down to technology and IT developments, hats off, nothing comes close to Russian brains!

We united our efforts with a team of the brightest Bitcoin traders and programmers from Russia.

Don't get me wrong though. It's hard to be a pioneer in the field. It's even harder to develop the first fully automated system in the new market.

Yes, it was not easy. Over 2 years in development, plenty of trial and error.

We really wanted to perfect it. Over 127,199 lines of code. Sleepless nights and betatests in private groups.

The bottom line:

we did it! It works and you can see the proof. Today, you can be a part of our success story!



FAQ:

1. If the robot wins money, who loses it? Does the Bitcoin exchange lose money if I win and eventually ban my trading?

Good question. No, the Bitcoin exchange market does not lose any money due to your profitable trading. In fact, it is gaining a lot of money because they charge 0.4% commission on every trade. For example, yesterday their exchange volume was \$512,213 , which means +4000 BTC commission made. The losers are other human traders that do not use automated trading approaches and trade manually or just pay too much when buying Bitcoin!

It's harsh but money is not produced from thin air. It comes from losers that don't have advanced tools like our Bitcoin robot and keep trying their luck with old outdated manual systems.

2. How much money do I need to start? Thousands of dollars??

No, you can start as low as \$100. This is the main advantage of Bitcoin trading, the entry limit is very low.

3. Is it risky? Can I lose the deposit?

You are trading only on your own money without taking huge leverage from the brokers like in Forex, meaning the risk of losing all your money is small to non-existent.

4. Will it provide 100% winning trades?

100% winning systems are impossible, so don't be fooled by so called "Get Rich scams" promising that.

Obviously, our robot is not a crystal ball and you will have some losing as well as winning trades. The goal is to make a solid net profit monthly.

4. Do I have to keep my computer ON all the time or buy a VPS server like with forex?

You can choose between two options. The most affordable Silver plan comes with Windows based software which trades from your own computer. Similar to you trading Forex on Metatrader4 on your computer. So it must be on at all times during trading.

If you choose the Gold Plan, the robot comes fully preinstalled in your web browser based members area! Nothing to setup or configure. It's completely human error-free & 100% autopilot.

5. What if my internet connection gets interrupted during trading?

No problem. The robot will resume trading from the point it left and catch up on the trades.

However, if you experience constant internet connection issues in your area, it's safer and more profitable to use the Gold plan where the robot is pre-installed on our trading VPS for you!

5. What if many people trade it, will it become less effective?

No. The beauty of Bitcoin trading robot algorithm is that it uses a special trade stealth technology which allows to separate different traders and avoid all of them taking the same trade at the same time overloading the market liquidity.

This way robot stays effective even if many people trade it independently.

6. Is it better than Forex?

Yes. Less risky. More profit. No broker spreads or ridiculous commissions. No bank regulations and fees.

You get all the profit. You trade 24/7 not 24/5. No bank holidays. You get profit around the clock. No need to install Metatraders and other complicated software. No need to sit and watch charts. No need to buy expensive VPS servers or keep your computer online.

7. Do you trade it yourself? If it is so good, why would you sell it?

Yes, we do trade it and you saw the live trading proof. Why do we sell it? We could probably write something hypocritical here, that we want to make everyone rich and happy, but I will be honest with you. We are just greedy. If you have an opportunity to make more money, will you pass it by? The amount of traders using the robot does not affect its effectiveness, so we thought, why not release it to a limited amount of pioneers who, like us, can take advantage of a growing opportunity.

It's like when people invented the plane; nobody drives such long distances in a car anymore! Same here. Why bother with manual trading, spending the whole of your life glued to the PC when you can use this new technology of automated Bitcoin trading!

The world has changed. And so have the tools!

Here is what I want you to do next:

Get in on the Ground Floor of this Breakthrough Technology!

The future is one step away from you.

Click Add to Cart Button and let's get started!

Silver Plan

**Downloadable version for Windows
Vista/7/8.**



Add To Cart

Easy **\$149** One-time License Fee. No monthly fees. Choose this option if you prefer to trade the robot from your own computer!

Gold Plan

**Fully pre-installed version,
1 year service.**



Add To Cart

One-time payment of **\$248** for a one year membership (no subscription), no additional monthly fees + expedited tickets with support 1 year of premium trading hosting, VPS included! Choose this option if you don't want to install anything and keep your computer ON. The robot will come preinstalled on our premium trading VPS for you and you will access it simply via your browser through your private members area! Nothing to download or setup.

Platinum Plan

**Fully pre-installed version,
Unlimited service**



Add To Cart

Lifetime membership for **\$498** (unlimited) + 3 years of free trading VPS cloud hosting included + expedited ticket support + personal one-on-one support. Just like in Gold Plan, the robot will be fully preinstalled on our premium VPS and you will access it simply via Browser in your private members area! Nothing to download or setup.

It's time for you to take action and secure your spot.

Remember, the early bird catches the worm.

You already missed the early founding Bitcoin days with mining opportunities. It's still not too late to jump in on the train that is about to leave. Get the Trading System Poised To Create a New Generation of future, successful traders. Pioneer this kind of currency trading with an unlimited potential of future growth.

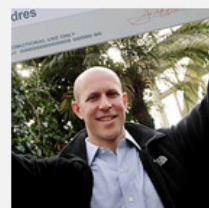
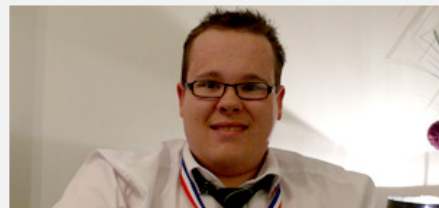
Be a Pioneer!

To be a successful money maker, you need to stray off the beaten paths... and THIS is your chance now! Who knows what will happen in a year from now? What if everyone owns Bitcoins by then and the market volatility sinks? Thousands of people are buying Bitcoin everyday... you can get ahead of them and profit from the misinformation and from people that pay too much to purchase Bitcoins... but you need to act right here, right now!

By the time the gold rush is over, you could have earned tens of thousands of dollars with a small one-time investment !

The Bitcoin robot is backed by our 60 day money back guarantee... either set it up and profit OR get your money back. You can try it out for a full 60 days, all the risk is on us.

What People make!



Make sure you secure your financial freedom and don't miss it. You are in the right spot at the right time. It's up to you now to take action and secure your own passive money-earning Bitcoin robot... and start withdrawing money as early as TOMORROW!

Sincerely,

the Bitcoin Development Team

www.btcrobot.com



Степан



Антон



Артём



Артём



Анатолий



Дмитрий



Егор